

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| L1    | 368   | (399/260).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/24<br>20:02 |
| L2    | 53    | (399/261).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/24<br>20:02 |
| L3    | 811   | (399/262).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/24<br>20:02 |
| L4    | 207   | (399/263).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/24<br>20:02 |
| L5    | 1287  | L1 L2 L3 L4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/24<br>20:02 |
| S32   | 11924 | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((groove OR<br>protru\$4 OR thread OR rib<br>OR convey\$3 OR transport<br>\$3 OR helical OR helix)<br>WITH ((toner OR<br>developer) AND (container<br>OR bottle OR supply OR<br>supplying OR suppli\$2 OR<br>dispens\$3))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/11/19<br>14:51 |
| S33   | 40049 | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((toner OR<br>developer) NEAR5<br>(container OR bottle OR<br>supply OR supplying OR<br>suppli\$2 OR dispens\$3))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/11/19<br>14:52 |

|     |       |   |   |    |    |                     |
|-----|-------|---|---|----|----|---------------------|
| S34 | 15407 | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((groove OR<br>protru\$4 OR thread OR rib<br>OR convey\$3 OR transport<br>\$3 OR helical OR helix OR<br>mov\$3) WITH ((toner OR<br>developer) AND (container<br>OR bottle OR supply OR<br>supplying OR suppli\$2 OR<br>dispens\$3)))                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:53 |
| S35 | 12773 | S33 AND S34   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:56 |
| S36 | 1807  | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((groove OR<br>protru\$4 OR thread OR rib<br>OR helical OR helix) WITH<br>((convey\$3 OR transport<br>\$3 OR supply OR<br>supplying OR suppli\$2 OR<br>dispens\$3 OR mov\$3)<br>AND (toner OR developer)<br>AND (rotat\$3 OR revolv\$3<br>OR roll\$3))) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>15:01 |
| S37 | 40488 | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((convey\$3 OR<br>transport\$3 OR supply OR<br>supplying OR suppli\$2 OR<br>dispens\$3 OR mov\$3)<br>WITH ((toner OR<br>developer) AND (rotat\$3<br>OR revolv\$3 OR roll\$3)))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>15:02 |
| S38 | 70847 | ("399"/\$.ccls. OR G03G\$.<br>ipc.) AND ((toner OR<br>developer) WITH (rotat\$3<br>OR revolv\$3 OR roll\$3))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>15:06 |
| S39 | 1758  | S36 AND S37 AND S38   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>15:06 |
| S40 | 1326  | S35 AND S39   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>15:06 |

|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| S41 | 7168  | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((protru\$4 OR rib OR helical OR helix OR thread) NEAR5 (container OR bottle OR wall OR body OR inside OR side OR surface))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:15 |
| S42 | 7022  | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((protru\$4 OR rib OR helical OR helix OR thread) NEAR5 (container OR bottle OR wall OR body OR side OR surface))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:15 |
| S43 | 847   | S40 AND S42   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:16 |
| S44 | 6000  | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((protru\$4 OR rib OR thread) NEAR5 (wall OR side OR surface))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:16 |
| S45 | 722   | S40 AND S44   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:16 |
| S46 | 15605 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((groove OR protru\$4 OR thread OR rib OR convey\$3 OR transport \$3 OR helical OR helix OR mov\$3 OR spiral) WITH ((toner OR developer) AND (container OR bottle OR supply OR supplying OR suppli\$2 OR dispense\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:39 |
| S47 | 12962 | S33 AND S46   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:40 |

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| S48 | 2378 | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((groove OR protru\$4 OR thread OR rib OR helical OR helix OR spiral) WITH ((convey\$3 OR transport\$3 OR supply OR supplying OR suppli\$2 OR dispense\$3 OR mov\$3) AND (toner OR developer) AND (rotat\$3 OR revolv\$3 OR roll\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:40 |
| S49 | 2304 | S48 AND S37 AND S38   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:41 |
| S50 | 1736 | S47 AND S49   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:42 |
| S51 | 8072 | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((protru\$4 OR rib OR helical OR helix OR thread OR spiral) NEAR5 (container OR bottle OR wall OR body OR inside OR side OR surface))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:44 |
| S52 | 7867 | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((protru\$4 OR rib OR helical OR helix OR thread OR spiral) NEAR5 (container OR bottle OR wall OR body OR inside OR side OR surface))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:45 |
| S53 | 1140 | S47 AND S49 AND S52   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:45 |
| S54 | 247  | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((protru\$4 OR rib OR thread) NEAR5 ((wall OR side OR surface) AND (spiral OR helical OR helix)))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/19 15:49 |

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S55 | 1476 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((wall OR side OR surface) NEAR5 (spiral OR helical OR helix))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/19 15:50 |
| S56 | 107  | S47 AND S49 AND S52 AND S54 AND S55  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/19 15:50 |
| S57 | 56   | (US-20040033087-\$ or US-20040126144-\$ or US-20040223790-\$ or US-20050025529-\$ or US-20050084296-\$ or US-20050158071-\$).did. or (US-4013354-\$ or US-4033689-\$ or US-4050802-\$ or US-4260235-\$ or US-5568243-\$ or US-5722020-\$ or US-5765059-\$ or US-5768664-\$ or US-5867757-\$ or US-5966574-\$ or US-6032013-\$ or US-6067432-\$ or US-6137972-\$ or US-6266499-\$ or US-6334037-\$ or US-6587648-\$ or US-6690904-\$ or US-6766134-\$ or US-6766135-\$ or US-6785497-\$ or US-6907214-\$ or US-6934495-\$).did. or (US-5528349-\$).did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/20 16:20 |
| S58 | 34   | ("4212264"   "4641945"   "4878603"   "5296900").PN. OR ("5528349").URPN.   | US-PGPUB; USPAT; USOCR                                   | OR | OFF | 2008/11/20 16:56 |
| S59 | 1    | (10/967050).APP.   | USPAT; USOCR   | OR | OFF | 2008/11/20 17:15 |
| S60 | 15   | ("20040161267"   "5455662"   "5500719"   "5627631"   "5822663"   "5913097"   "5918090"   "6075963"   "6104902"   "6289195"   "6292644"   "6334037"   "6418293"   "6751431").PN. OR ("7024135").URPN.   | US-PGPUB; USPAT; USOCR                                   | OR | OFF | 2008/11/20 17:18 |
| S61 | 0    | ("2006/0147228").URPN.   | USPAT  | OR | OFF | 2008/11/20 17:19 |
| S62 | 0    | ("2006/0182469").URPN.   | USPAT  | OR | OFF | 2008/11/20 17:21 |

|     |      |   |   |    |     |                     |
|-----|------|---|---|----|-----|---------------------|
| S63 | 1    | "10885644"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/20<br>17:37 |
| S64 | 1    | "10855644"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/20<br>17:37 |
| S65 | 166  | (nagahama NEAR3 hitoshi).in.                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>17:46 |
| S66 | 171  | (deguchi NEAR3 masanobu).in.                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>17:52 |
| S67 | 232  | (kazuya NEAR3 koyama).in.                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>18:27 |
| S68 | 782  | (shigeki NEAR3 hayashi).in.                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>18:27 |
| S69 | 1241 | S65 S66 S67 S68                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>18:29 |
| S70 | 582  | S65 S66 S67 S68 AND ("399"/\$.ccls. OR G03G\$.ipc.) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/20<br>18:30 |

|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| S71 | 536   | S65 S66 S67 S68 AND ("399"/\$.ccls. OR G03G\$. ipc.) AND (toner OR developer)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/20 18:31 |
| S72 | 492   | S65 S66 S67 S68 AND ("399"/\$.ccls. OR G03G\$. ipc.) AND ((toner OR developer) WITH (container OR bottle))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/20 18:33 |
| S73 | 1     | (10/862866).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 19:27 |
| S74 | 1     | (10/925950).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 19:34 |
| S75 | 1     | (11/005195).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 19:54 |
| S76 | 1     | (11/174548).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 20:16 |
| S77 | 1     | (11/196760).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 20:21 |
| S78 | 0     | (10/548445).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 20:23 |
| S79 | 1     | (11/333204).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 20:28 |
| S80 | 0     | (10/548445).APP.  | USPAT; USOCR   | OR | OFF | 2008/11/20 20:32 |
| S81 | 378   | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((protru\$4 OR rib OR thread) WITH ((wall OR side OR surface) AND (spiral OR helical OR helix)))                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/20 20:58 |
| S82 | 2420  | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((wall OR side OR surface) WITH (spiral OR helical OR helix))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/20 20:59 |
| S83 | 10534 | ("399"/\$.ccls. OR G03G\$. ipc.) AND ((protru\$4 OR rib OR helical OR helix OR thread OR spiral) WITH (container OR bottle OR wall OR body OR side OR surface)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/11/20 21:01 |

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S84 | 40078 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((toner OR developer) NEAR5 (container OR bottle OR supply OR supplying OR suppli\$2 OR dispense\$3))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |
| S85 | 40523 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((convey\$3 OR transport\$3 OR supply OR supplying OR suppli\$2 OR dispense\$3 OR mov\$3) WITH ((toner OR developer) AND (rotat\$3 OR revolv\$3 OR roll\$3)))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |
| S86 | 70885 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((toner OR developer) WITH (rotat\$3 OR revolv\$3 OR roll\$3))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |
| S87 | 15622 | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((groove OR protrude\$4 OR thread OR rib OR convey\$3 OR transport \$3 OR helical OR helix OR mov\$3 OR spiral) WITH ((toner OR developer) AND (container OR bottle OR supply OR supplying OR suppli\$2 OR dispense\$3)))                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |
| S88 | 12978 | S84 AND S87  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |
| S89 | 2382  | ("399"/\$.ccls. OR G03G\$.ipc.) AND ((groove OR protrude\$4 OR thread OR rib OR helical OR helix OR spiral) WITH ((convey\$3 OR transport\$3 OR supply OR supplying OR suppli\$2 OR dispense\$3 OR mov\$3) AND (toner OR developer) AND (rotat\$3 OR revolv\$3 OR roll\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/20 21:03 |

|     |      |  |   |    |    |                     |
|-----|------|--|---|----|----|---------------------|
| S90 | 2308 | S89 AND S85 AND S86                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/20<br>21:03 |
| S91 | 165  | S88 AND S90 AND S81<br>AND S82 AND S83 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/20<br>21:03 |

12/24/2008 8:04:34 PM

C:\Documents and Settings\GEvans1\My Documents\EAST\Workspaces  
\app10562552\_update\_nov19\_08.wsp